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In re application of:

Zengerle, Roland; Hey, Nicolaus; Gruhler, Holger; Freygang, Michael; and

Mueller, Martin

Application No.:

09/936,881

Group No.:

Unknown

Filed:

September 11, 2001

Examiner:

Unknown

For:

FLUID MANAGEMENT APPARATUS WITH FORMAT CONVERSION

Box Non-Fee Amendment Assistant Commissioner for Patents Washington, DC 20231

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The Supplemental Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, whichever event occurs last. 37 C.F.R. Section 1.97(b).

CONCISE EXPLANATION

A concise explanation of the relevance, as it is presently understood by the individual designated in §1.56(c) most knowledgeable about the content of the information of each patent, publication, or other information listed that is not in the English language is attached.

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(Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action-page 1 of 2)

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Carl A. Forest

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CONCISE EXPLANATION OF RELEVANCE

DE 3004555 A1 cited in the National German examination procedure relates to a plotting machine. The plotting machine has a printing head having three pens which can be piezoelectrically actuated. This document does not include any hit as to a format conversion.

EP 0 955 084 A1 relates to a micro-ejection pump. One embodiment of the microejection pump shown in FIG. 5 of this document includes a parallel arrangement of a plurality of pump chambers 4. An ejection orifice is associated with each pump chamber 4 and connected therewith via a fluid channel. In addition, feeding channels 7 (see FIG. 9) are in fluid communication to the pump chambers 4 via diffuser elements. A fluid inlet 16 (FIG. 9) for the feeding channel is provided in the top surface of such a micro-ejection pump 1. On the one hand, this document is silent about a specific format conversion, and, on the other hand, this document is silent about first orifices in a first surface of a substrate and second orifices in a second surface of a substrate which is opposite to the first surface.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date	September 11, 2001		
					First Named Invent r	Roland Zengerle		
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	1	DE	30 04 555 A1		Franke et al.	08/13/1981		
	2	wo	98/26179		Howitz et al.	06/18/1998		-
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.